

Title (en)
SEPARATOR EMPLOYING EDDY CURRENTS

Title (de)
TRENNVORRICHTUNG MIT WIRBELSTRÖMEN

Title (fr)
SÉPARATEUR PAR COURANT DE FOUCAULT

Publication
EP 2836304 B1 20181226 (FR)

Application
EP 13723828 A 20130412

Priority
• FR 1201088 A 20120412
• FR 2013000100 W 20130412

Abstract (en)
[origin: WO2013153296A1] This separator, which employs eddy currents, comprises: an endless belt (2) provided in order to transport the mixture as far as a sorting section (22); rotating drums (3, 4) around which the endless belt (2) runs; and a multipolar magnetic rotor (7) driven in rotation in order to generate an alternating inductive magnetic field. The sorting section (22) is shifted relative to each rotating drum (3, 4) along the path of the endless belt (2). The magnetic rotor (7) is placed externally to each rotating drum (3, 4). The path of the endless belt (2) comprises an unloading zone (24) that follows the sorting section (22).

IPC 8 full level
B03C 1/247 (2006.01)

CPC (source: EP US)
B03C 1/18 (2013.01 - EP US); **B03C 1/247** (2013.01 - EP US); **B03C 1/02** (2013.01 - US); **B03C 2201/20** (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2013153296 A1 20131017; EP 2836304 A1 20150218; EP 2836304 B1 20181226; ES 2713089 T3 20190517; FR 2989288 A1 20131018; FR 2989288 B1 20150116; MX 2014012145 A 20150512; MX 345840 B 20170220; PL 2836304 T3 20190628; US 2015076039 A1 20150319; US 9950324 B2 20180424

DOCDB simple family (application)
FR 2013000100 W 20130412; EP 13723828 A 20130412; ES 13723828 T 20130412; FR 1201088 A 20120412; MX 2014012145 A 20130412; PL 13723828 T 20130412; US 201314394447 A 20130412